WORK PROCESSES SCHEDULE
COMPUTED TOMOGRAPHY (CT) TECHNOLOGIST
O*NET-SOC CODE: 29-2034.01   RAIS CODE: 1116

SCHEDULE OF PROCESSES: In order to obtain well-rounded training and thereby qualifying as an experienced professional in the occupation, the apprentice shall have experience and training in the following areas. This instruction and experience shall include the following procedures but not necessarily in the sequence given. Time spent on specific operations need not be continuous.

	Approximate Hours
PERFORM ADMINISTRATIVE DUTIES Compile patient information; prepare & retrieve film jackets; answer phones; validate billing; enter data into hospital information system	128
PERFORM CT EXAMS Prepare for CT exams; perform quality control functions; complete room preparations, establish and adjust exam protocol; position patient; manage patient contrast; perform reference image; plan the exam from the reference image; select injection and scanning parameters; perform *CT scans *See SPECIAL PROVISIONS for the requirements of CT scans.	1300
POST CT EXAMS Complete post processing duties; obtain measurements; reconstruct images, create multi-planar and multi dimensional images; transfer images to hard copy or soft copy; archive images; retrieve images/ prepare exam for interpretation	300
MISCELLANEOUS Communicate with patients and co-workers; maintain customer satisfaction and patient confidentiality; maintain certifications and continuing education credits; other duties as related	128
TOTAL	**1,838**

RELATED INSTRUCTION
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Course	Hours
Introduces apprentices to CT Modality, explore clinical applications of CT, CT safety and the role of a CT Technologist in a healthcare facility.	18
Introduce cross sectional anatomy as related to CT Technologist. Includes examination of correlating images.	36
Introduce apprentices to physics as applied to CT. Focus is placed on acquisition, scanning, reformatting, and storage of data.	36
Provide an introduction to CT imaging; prepare apprentices to differentiate normal and abnormal anatomy on an image, identify anatomy structures in cross-sectional views, and to identify considerations in choosing a CT protocol.	54
Prepare apprentices to analyze and provide feedback on CT images. Apprentices perform image critique on the quality of the image, the demonstration of the anatomic region, the contrast, the pathology, the protocol considerations, and the patient positioning.	18
Total	**162**